

Fig. 1

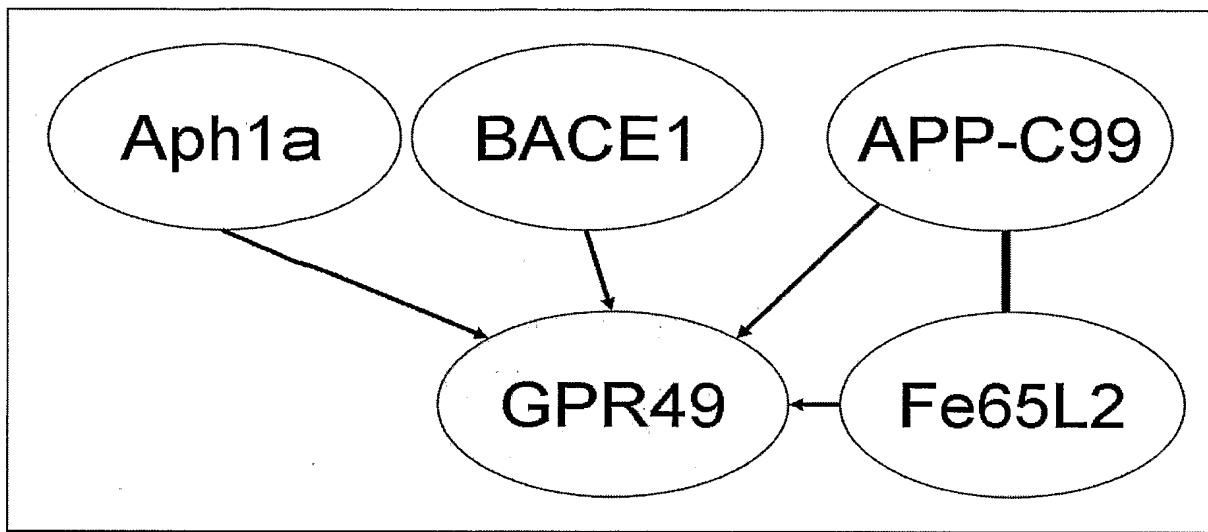


Fig. 2

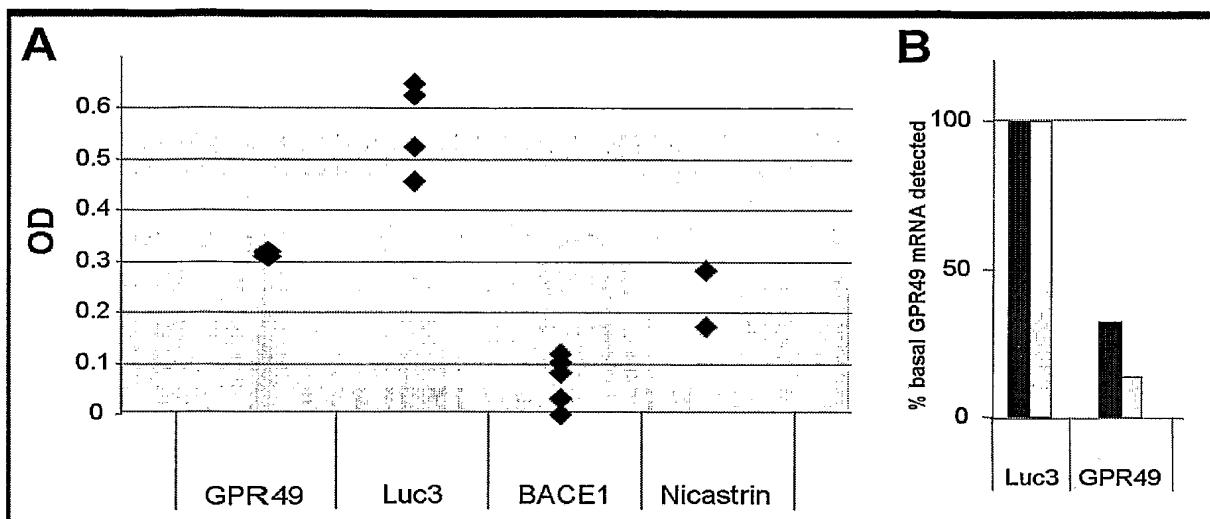


Fig. 3

MDTSRLGVLL SLPVLLQLAT GGSSPRSGVL LRGCPTHCHC EPDGRMILLRV
DCSDLGLSEL PSNLSVFTSY LDLSMNNISQ LLPNPLPSLR FLEELRLAGN
5 ALTYIPKGAF TGLYSLKVLM LQNNQLRHVP TEALQNLRSL QSLRLDANHI
SYVPPSCFSG LHSLRHLWLD DNALTEIPVQ AFRSLSALQA MTLALNKIH
IPDYAFGNLS SLVVLHLHNN RIHSLGKCF DGLHSLETLD LNYNNLDEFP
TAIRTLSNLK ELGFHSNNIR SIPEKAFVGN PSLITIHFYD NPIQFVGRSA
FQHLPRLRTL TLNGASQITE FPDLTGTANL ESLTLTGAQI SSLPQTVCNQ
10 LPNLQVLDLS YNLLEDLPSF SVCQKLQKID LRHNEIYEIK VDTFQQLLRL
RSLNLAWNKI AIIHPNAFST LPSLIKLDLS SNLLSSFPIT GLHGLTHLKL
TGNHALQSLI SSENFPELKV IEMPTYAYQCC AFGVCENAYK ISNQWNKGDN
SSMDDLHKKD AGMFQAQDER DLEDFLLDPE EDLKALHSVQ CSPSPGPFPK
CEHLLDGWLI RIGVWTIAVL ALTCNALVTS TVFRSPLYIS PIKLLIGVIA
15 AVNMLTGVSS AVLGVDAFT FGSFARHGAW WENGVGCHVI GFLSIFASES
SVFLLTLAAL ERGFSVKYSA KFETKAPFSS LKVIIILLCAL LALTMAAVPL
LGGSKYGASP LCLPLPFGEP STMGYMVALI LLNSLCFLMM TIAYTKLYCN
LDKGDLENIW DCSMVKHIAL LLFTNCILNC PVAFLSFSSL INLTFISPEV
IKFILLVVVP LPACLNPLLY ILFNPHFKED LVSLRKQTYV WTRSKHPSLM
20 SINSDDVEKQ SCDSTQALVT FTSSSITYDL PPSSVPSPAY PVTESCHLSS
VAFVPCL

Fig. 4 (1/2)

	LGR5	MDTSRLGVLLSLPVLLQLATGGSSPRSGVLLRGCPTHCHCEPDGRMLLRVDCSDLGLSELPSNLSVFTSYLDSMNNISQ
	LGR6	-----MRLEGEGRSARAGQNLSRAGSARRGAPR-----DLSMNNLTE
5	LGR4	----MPGPLGLLCFLALGLLGSAGPSGAAPPLCAPCSDGDRR---VDCSGKGLTAVPEGLSAFTQALDISMNNITQ
	Consensus/80%b.L.h.Gpts.tG.....sss.pps.sc.....DLSMNN1*p
	LGR5	LLPNPLPSLRFLEELRLAGNALTYYIPKGAFTGLYSLKVIMLQNNQLRHPTEALQNLRSLQSLRDANHISYVPPSCFSG
	LGR6	LQPGLFHHLRFLEELRLSGNHLSHIPGQAFSGLYSLKILMLQNNQLGGIPAEALWELPSLQLS-----
10	LGR4	LPEDAFKNFPFLEELQLAGNDLIFIHPKALSGLKELKVLTILQNNQLKTVPEAIRGLSALQSLRDANHITSVPEDSFEG
	Consensus/80%	L..s.b.pb.FLEELpLtGN..L*aI...Ab*GLbpLk1LhLQNNQL.h1PsEalb..L.tLQSL.....
	LGR5	LHSLRHLWLDDNALTEIPVQAFRSLSALQAMTIALNKIHIPDYAFGNLSSLVVLHLHNNRIHSLGKKCFDGLHSLETLD
	LGR6	-----D
15	LGR4	LVQLRHLWLDDNSLTEVPVHP.LSNLPTLQALTLALNKISSIPDFAFTNLSSLVVLHLHNNKIRSLSQHCFDGLDNLETLD
	Consensus/80%D
	LGR5	LYNNNLDEFPTAIRTLSNLKE LGFHSSNNIRSIPEKAFVGNPSSLITIHFYDNPIQFVGRSAFQHLPRLRTLTNGASQITE
	LGR6	LYNKLQEFPVVAIRTLGRLQE LGFHNNNIKAYPEKAFMGNPLQTIHFYDNPIQFVGRSAFQYLPKLHTLNGAMDIQE
20	LGR4	LYNNNLGEFPQAIAKALPSLKE LGFHSSNSISVIPDGAFDGNPLRLRTIHLYDNPLSFVGNSAFHNLSDLHSLVIRGASMVQQ
	Consensus/80%	LYNpL.EFP.AI+sLspLpELGFHsNsIpsIP-.AF.GNP.LbTIhYDNP1pFVGpSAFp.Lscl+*Ls1pGA..1pp
	LGR5	FPDLGTANLESLTGAQISLSPQTCVNQLPNQLVLDLSYNLLEDLPSFSVCQKLQKIDLRHNEIYEIKVDTFQQLLSL
	LGR6	FPDLKGTTSEILTLTRAGIRLLPSGMQQLPRLRVLELSHQNIEELPSLHRCQKLEEIGLQHNRIWEIGADTFSQLSSL
25	LGR4	FPNLTGTVHLESLTGTKISSIPNNLQEQKMLRTLDLSYNNIRDLPSFNGCHALEEISLQRNQIYQIKEGTFQGLISL
	Consensus/80%	FpsLpGTspLE.LTLT.s.Ip..1PpshCpb..LpsL-LSaN.lc-LPsbp.Cp.LpcIsLp+NpIapI..stFp..L.SL
	LGR5	RSLNLAWNKIAIIHPNAFSTLPSLIKLDLSSNLLSSFPITGLHGLTHLKLGTGNHALQSLISSENFPBKVIEMPTYAYQCC
	LGR6	QALDLWNNAIRSIHPEAFSTLHSVLKLDLTDNQTLTLPLAGLGLMHLKLGNLALSQAFSKDSFPKLRLIEVPYAYQCC
30	LGR4	RILDLRSRNLIHEIHSRAFATLGPITNLDVSFNELETSFPTEGLNGLNQLKLVGNFKLKEALAAKDFVNRLRSLSVPYAYQCC
	Consensus/80%	p.LsLtbN.I..IHspAftTL..s1hpLDL*.NbL**bPh.GL.GL.pLKL.GNb.Lpphb.csFspL+.1phPYAYQCC
	LGR5	AFGVCEENAYKISNQWNKGDNSSMDD-LHKKDAGMFQAQDE---RDLEDFLLDFEEDLKLALHSVQCSPPGPFKPCEHLL
	LGR6	PYGMCMASFFKASGQWEAEDLHLDDEESSKRPLGLLARQAENHYDQDLDELOLEMEDS-KPHPSVQCSPTPGPFKPCEYLF
35	LGR4	AFWGCDSYANLN---TEDNSLQDHSSVAQEKGKCMSTADA-----ANVTSTLENEEHQSIIHCTPSTGAFKPCEYLL
	Consensus/80%	sahhC.shhphs.....D.p..Dc..pc.h.hb...s.....ph..pbEpp.+sb..1pC*P*sGsFKPCEaLb
	LGR5	DGWLIRIGVWTIAVIALTCNALVTSTVFR-SPLYISPIKLLIGVIAAVNMLTVSSAVLAGVDAFTFGSFARHGAWWENG
	LGR6	ESWGIRLAWAIVLVLSCNGLVLVLTVFAGGPVPLPPVKFVVGAIGANTLTGICGLLASVDALTFGQFSEYGRWETG
40	LGR4	GSWMIRLTVWFIFLVALFFNL.LVILTTFA-SCTSLPSSKLFIGLISVSNLFMGIYTGILTFLDAVSWGREAEGIWWETG
	Consensus/80%	.tWhIRlsVWhIhllt1hhNhLVh.TsF..tsh.lss.Kbh1GhItssNhbhG1.st1Ls.1DAh*aGpFtcaGhbWEsG

continued as Fig. 4 (2/2)

Fig. 4 (2/2)

continued from Fig. 4 (1/2)

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LGR5	VGCHVIGFLSIFASESSVFLTLAALERGFSVKYSKFETKAPFSSLKVIIILCALLALTMAAVPLLGGSKYGA
LGR6	PLCP
LGR4	SGCKVAGFLAVFSSESIAFLMLLATVERSLSAKDIMPNGKSNHLKQFRVAALLAFLGATVAGCFPLFHRGEY
Consensus/80%	SASPLCLP

10

LGR5	--LPFGEPESTMGYMVALILLNSLCFLMMTIAYTKLYCNLDKGDL
LGR6	ENIWDCSMVKHIALLLFTNCILNC
LGR4	CPVAFLSFSSLIN
Consensus/80%	YAPPEGQPAALGFTVALVMMNSFCFLVVAGAYIKLYCDLPRGD

15

LGR5	FEAVWDCA
LGR6	MVRHV
LGR4	MLG
Consensus/80%	TKLYCNLEKE

20

LGR5	DL
LGR6	FTNCI
LGR4	FFCPV
Consensus/80%	SEKSSCDS

25

LGR5	-----TQ
LGR6	-----TQ
LGR4	-----TQ
Consensus/80%	-----TQ

30